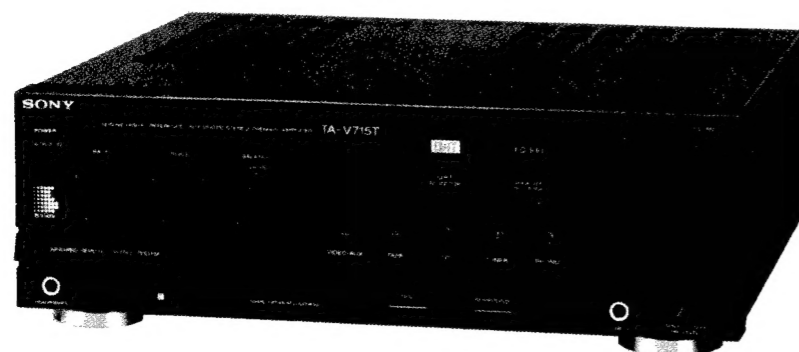


TA-V715T

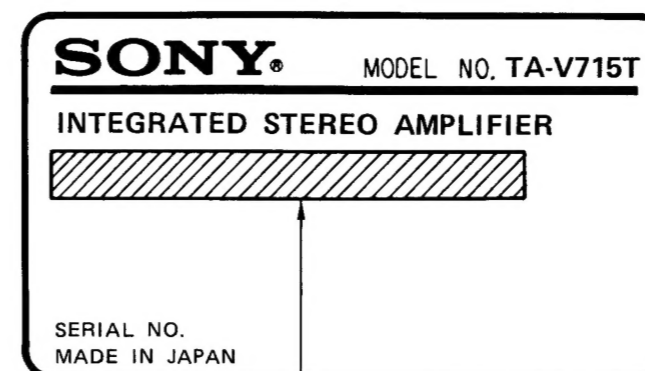
SERVICE MANUAL



AEP Model
UK Model
E Model

TA-V715T

MODEL IDENTIFICATION — Specification Label —



AEP, West Germany Model: AC: 220 V ~ 50/60 Hz 100 W
UK Model: AC: 240 V ~ 50/60 Hz 240 W
E, Saudi Arabia Model: AC: 120/220/240 V ~ 50/60 Hz 120 W

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| Section | Title | Page |
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| | Model Identification | 2 |
| | Servicing Notes | 2 |
| 1. | GENERAL | |
| | Parts Identification | 3 |
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| 2. | DIAGRAMS | |
| 2-1. | Printed Wiring Boards | 6 |
| 2-2. | Schematic Diagram | 11 |
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| 4. | ELECTRICAL PARTS LIST | 19 |

SPECIFICATIONS

Model available in UK, AEP, and West Germany:

Continuous RMS power output
60 W + 60 W
(6 ohms, at 1 kHz, 5% THD)

Music power output
80 W + 80 W
(6 ohms, at 1 kHz, 5% THD)

Frequency response
PHONO RIAA curve ± 0.5 dB
CD
VIDEO/AUX
TUNER 15 Hz to 50 kHz ± 0.5 dB
DAT
TAPE
MIC 100 Hz to 10 kHz ± 0.5 dB

Model available in E, Saudi Arabia:

Peak music power output
610 W (6 ohms)

General

Power requirements

UK model: 240 V AC, 50 Hz
AEP, West Germany model: 220 V AC, 50 Hz
E, Saudi Arabia model: 120 V, 220 V or 240 V
AC, adjustable by AC voltage selector

Power consumption

UK model: 240 W
AEP, West Germany model: 100 W
E, Saudi Arabia model: 120 W

AC outlets

2 unswitched, 100 W max.

Dimensions

Approx. 355 x 117 x 330 mm (w/h/d)
(14 x 4 5/8 x 13 inches)

Weight

incl. projecting parts and controls

Approx. 6 kg (13 lb 4 oz)

Supplied accessories

Remote commander (1)
Sony SUM-3 (NS) battery (2)

Inputs

| Jacks | Sensitivity | Impedance |
|-----------|-------------|-----------|
| PHONO | 2 mV | 50 k ohms |
| CD | 150 mV | 50 k ohms |
| VIDEO/AUX | 150 mV | 50 k ohms |
| ADAPTOR | 150 mV | 50 k ohms |
| DAT | 150 mV | 50 k ohms |
| TAPE | 150 mV | 50 k ohms |
| MIC | 1 mV | 10 k ohms |

Outputs

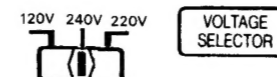
| Jacks | Voltage | Impedance |
|-----------|---------|------------|
| VIDEO/AUX | 150 mV | 4.7 k ohms |
| DAT | 150 mV | 4.7 k ohms |
| TAPE | 150 mV | 4.7 k ohms |

SERVICING NOTES

On operating voltage

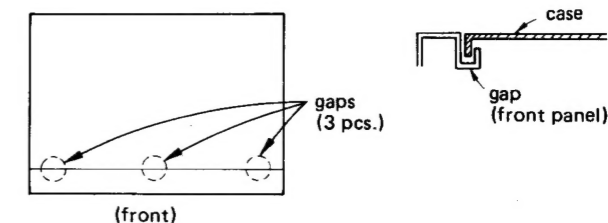
Before operating the unit, check that the operating voltage of your unit is identical with the voltage of your local power supply.

| Where purchased | Operating voltage |
|-------------------------|---|
| UK Model | 240 V AC |
| AEP, West Germany Model | 220 V AC |
| E, Saudi Arabia Model | 120 V, 220 V or 240 V AC adjustable by AC voltage selector |



On removing the case

Remove the case by lifting it up straightly above. Unbalanced lifting damages gaps of the front panel assembly for supporting the case.



SAFETY-RELATED COMPONENT WARNING!!

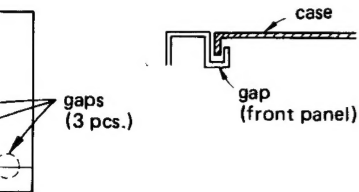
COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

STEREO AMPLIFIER
SONY

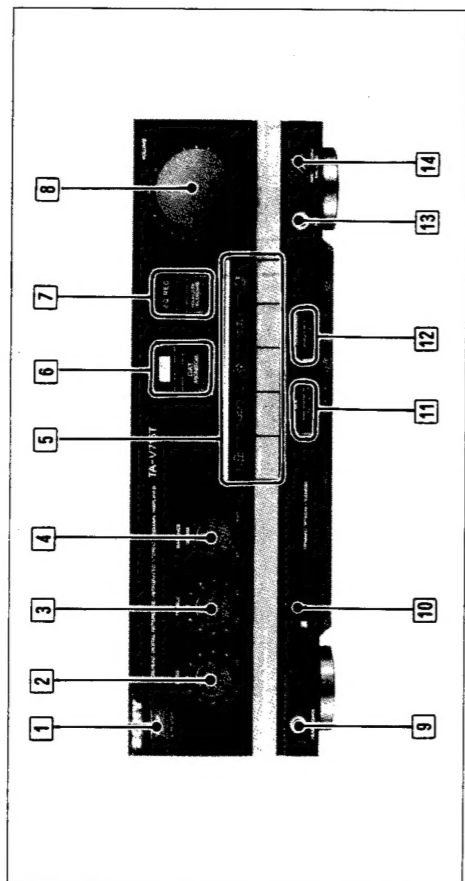
Table of Contents

| Title | Page |
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se
lifting it up straightly above.
damages gaps of the front panel
riting the case.



Parts Identification



- 1 POWER switch

2 BASS control

3 TREBLE control

4 BALANCE control

5 Function buttons and Indicators
VIDEO/AUX
TAPE
CD (compact disc)
TUNER
PHONO

6 DAT (Digital Audio Tape) MONITOR switch and indicator

7 EQUALIZER RECORDING switch and indicator

8 VOLUME control
- 9 HEADPHONES jack

10 Remote sensor

11 DOL (Dynamic Optimum Loudness) switch and indicator

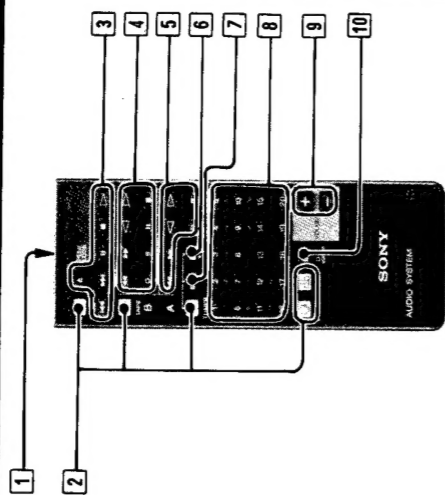
12 SURROUND switch and indicator

13 MIC (microphone) input jack

14 MIC (microphone) LEVEL control

RMS715 Remote Commander

This remote commander is designed exclusively for Sony audio components.
The buttons with functions that are the same as those of the equivalent buttons on the Sony audio component can be used to control the components.



- 1 Infrared ray transmitter

2 Function buttons
CD
TAPE
TUNER
PHONO
VIDEO

3 Operation buttons for CD player
▲ (eject)
▶ (AMS*) *AMS = Automatic Music Sensor
▶ (pause)
■ (stop)
▶ (play)

4 Operation buttons for cassette deck B
▶ (last winding)
▶ (reverse play)
▶ (forward play)
O (record muting)
■ (record)
■ (pause)
■ (stop)
- 5 Operation buttons for cassette deck A
▶ (last winding)
▶ (reverse play)
▶ (forward play)
■ (pause)
■ (stop)

6 TUNER/CD selector

7 BAND selector

8 Numeric buttons
Operate according to the setting of the TUNER/CD selector.

| TUNER/CD selector | Numeric buttons |
|-------------------|--|
| TUNER | 1 - 12 buttons operate to call the preset stations |
| CD | 1 - 20 buttons operate for direct selection on the connected CD player |

9 VOLUME controls

10 DAT (Digital Audio Tape) MONITOR switch
Operate the same operation as that on the TA-V715T.

Notes on the remote commander
• Keep the commander away from extremely hot or humid place.
• To avoid malfunction, do not simultaneously depress two or more buttons.

• Press the DAT MONITOR switch to play the program source connected to DAT IN jacks.
To play the program source connected to jacks other than DAT IN, be sure to turn off the lamp on the DAT MONITOR switch by pressing the DAT MONITOR switch again.

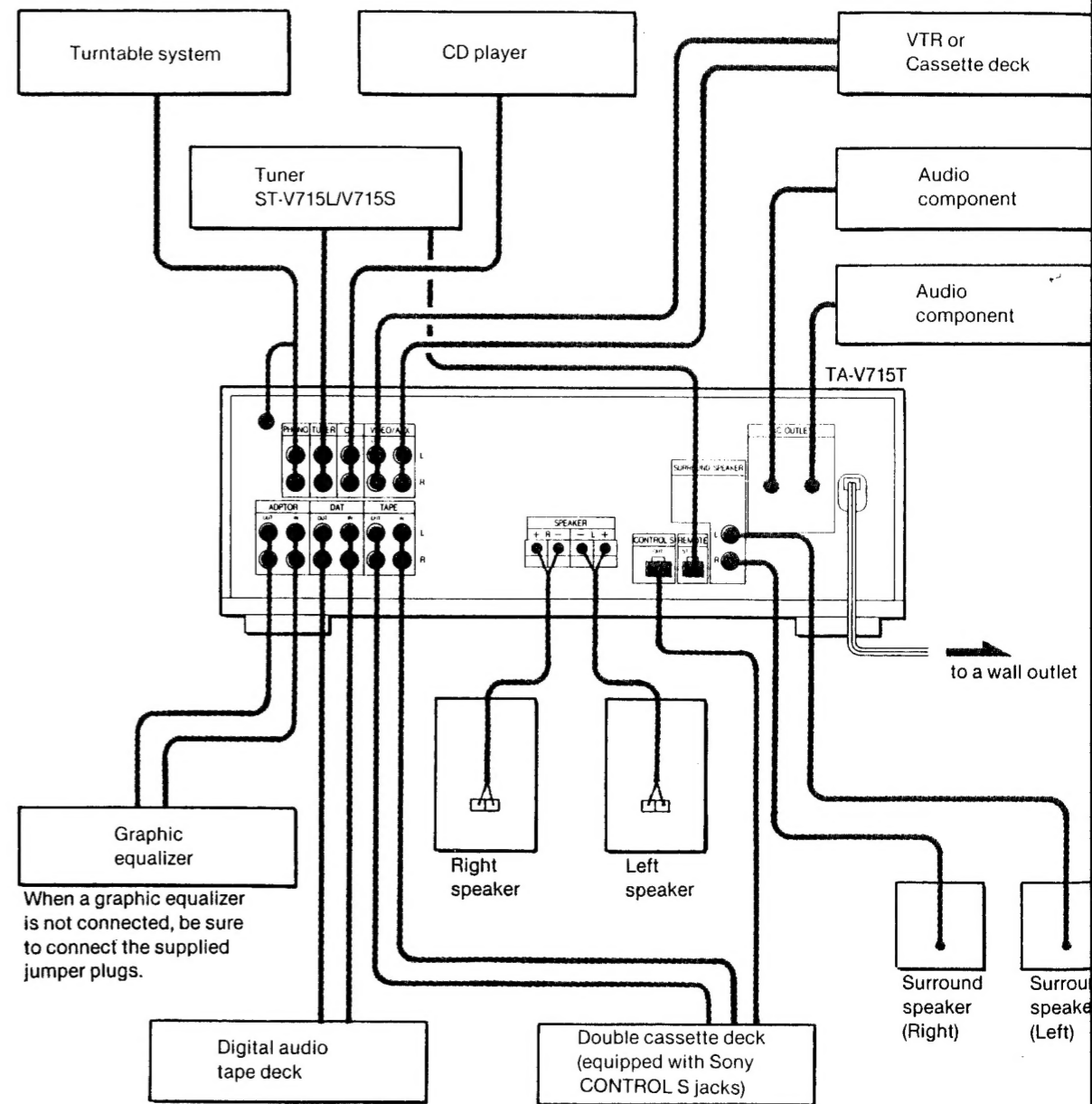
SECTION 1
GENERAL

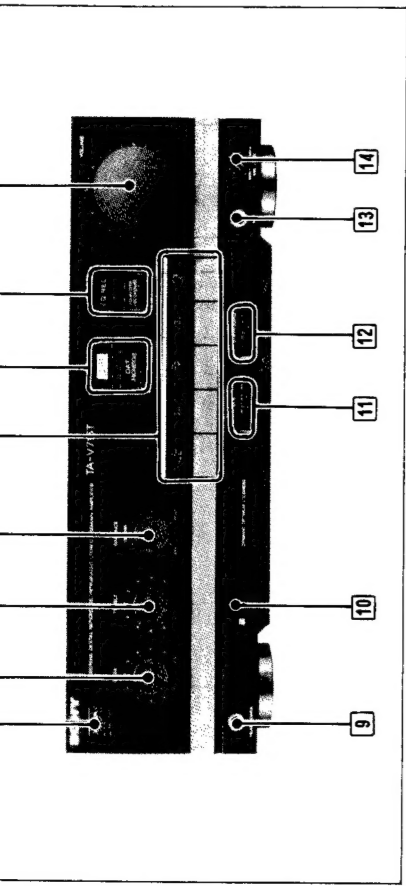
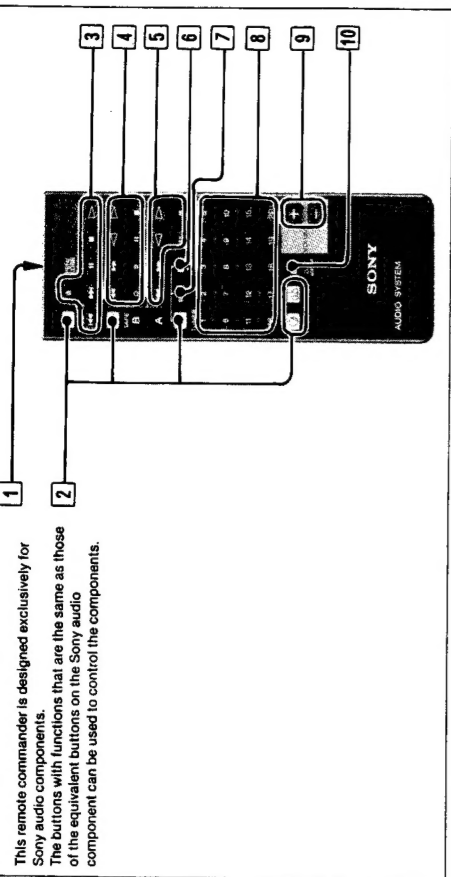
Connecting the System

Notes on Connection

- Connect the AC power cord last. Make sure power is off.
- Cord plugs and jacks are color coded. Red plugs and jacks are for right channel (R) and white ones for left channel (L).
- Fully insert cable connectors into jacks. Loose connections may cause hum or noise.

Overall Connection Diagram





- 1 POWER switch
- 2 BASS control
- 3 TREBLE control
- 4 BALANCE control
- 5 Function buttons and Indicators
VIDEO/AUX
TAPE
CD (compact disc)
TUNER
PHONO
- 6 DAT (Digital Audio Tape) MONITOR switch and Indicator
- 7 EQUALIZER RECORDING switch and Indicator
- 8 VOLUME control
- 9 HEADPHONES jack
- 10 Remote sensor
- 11 DOL (Dynamic Optimum Loudness) switch and Indicator
- 12 SURROUND switch and Indicator
- 13 MIC (microphone) input jack
- 14 MIC (microphone) LEVEL control

- 1 Infrared ray transmitter
- 2 Function buttons
CD
TAPE
TUNER
PHONO
VIDEO
- 3 Operation buttons for CD player
▲ (eject)
▶ (play)
◀ (reverse play)
■ (stop)
- 4 Operation buttons for cassette deck B
▶ (play)
◀ (reverse play)
■ (stop)
- 5 Operation buttons for cassette deck A
▶ (play)
◀ (reverse play)
■ (stop)
- 6 TUNER/CD selector
- 7 BAND selector
- 8 Numeric buttons
Operate according to the setting of the TUNER/CD selector.
- 9 TUNER/CD selector
- 10 TUNER/CD selector
- 11 TUNER/CD selector
- 12 TUNER/CD selector
- 13 TUNER/CD selector
- 14 TUNER/CD selector
- 15 TUNER/CD selector
- 16 TUNER/CD selector
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- 93 TUNER/CD selector
- 94 TUNER/CD selector
- 95 TUNER/CD selector
- 96 TUNER/CD selector
- 97 TUNER/CD selector
- 98 TUNER/CD selector
- 99 TUNER/CD selector
- 100 TUNER/CD selector

Notes on the remote commander

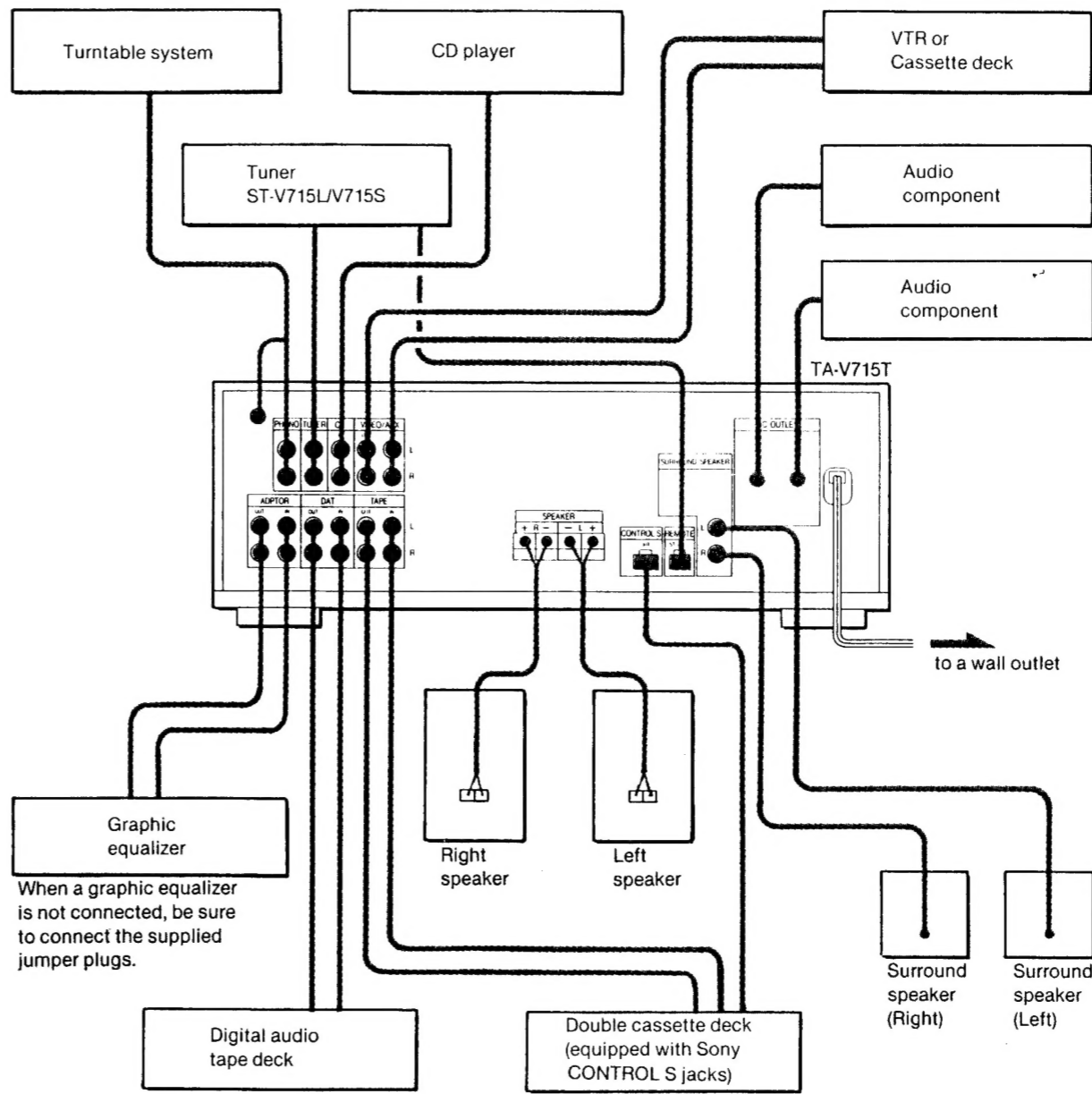
- Keep the commander away from extremely hot or humid place.
- To avoid malfunction, do not simultaneously depress two or more buttons.

Connecting the System

Notes on Connection

- Connect the AC power cord last. Make sure power is off.
- Cord plugs and jacks are color coded. Red plugs and jacks are for right channel (R) and white ones for left channel (L).
- Fully insert cable connectors into jacks. Loose connections may cause hum or noise.

Overall Connection Diagram

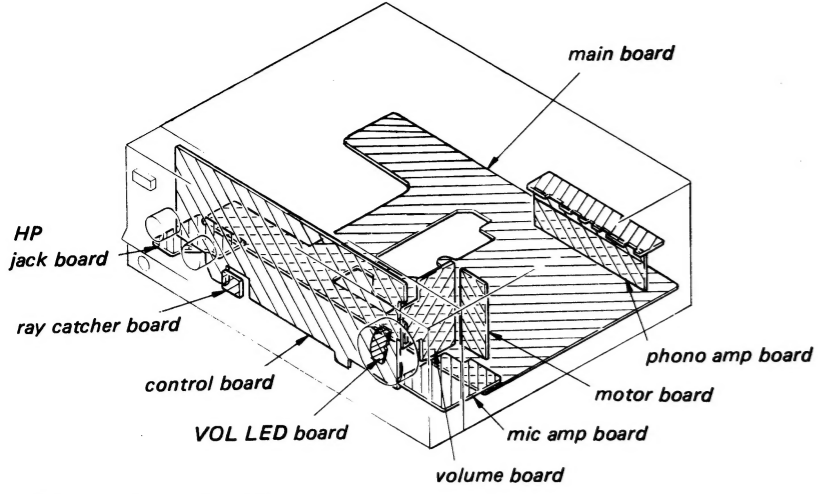


Semiconductor Lead Layouts

| | | |
|------------------------------------|--|--|
| GP1U52 | μPC1237HA | 2SK246BL |
| LA6458D | 2SA1317-SU | GMA01 |
| LC4066BH | 2SA1346 2SC3330-S 2SC3400 2SC3402 | HZ5C1 HZ6B2L 10E2N |
| LC6527CK-3467 | 2SB1013 2SC1841 2SD1387 | RBV-602-01 |
| LC7818 | 2SB1133S | SLP338FK-51B SLP938C-51AB |
| M5F7810 | 2SC3622A-L | SLP3070K SLP4076 |
| M5F7910 | | |
| STK4152II STK4192II | | |

2-1. PRINTED WIRING BOARDS

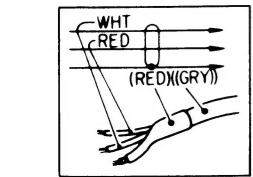
● See page 5 for Semiconductor Lead Layouts.



● Semiconductor Location

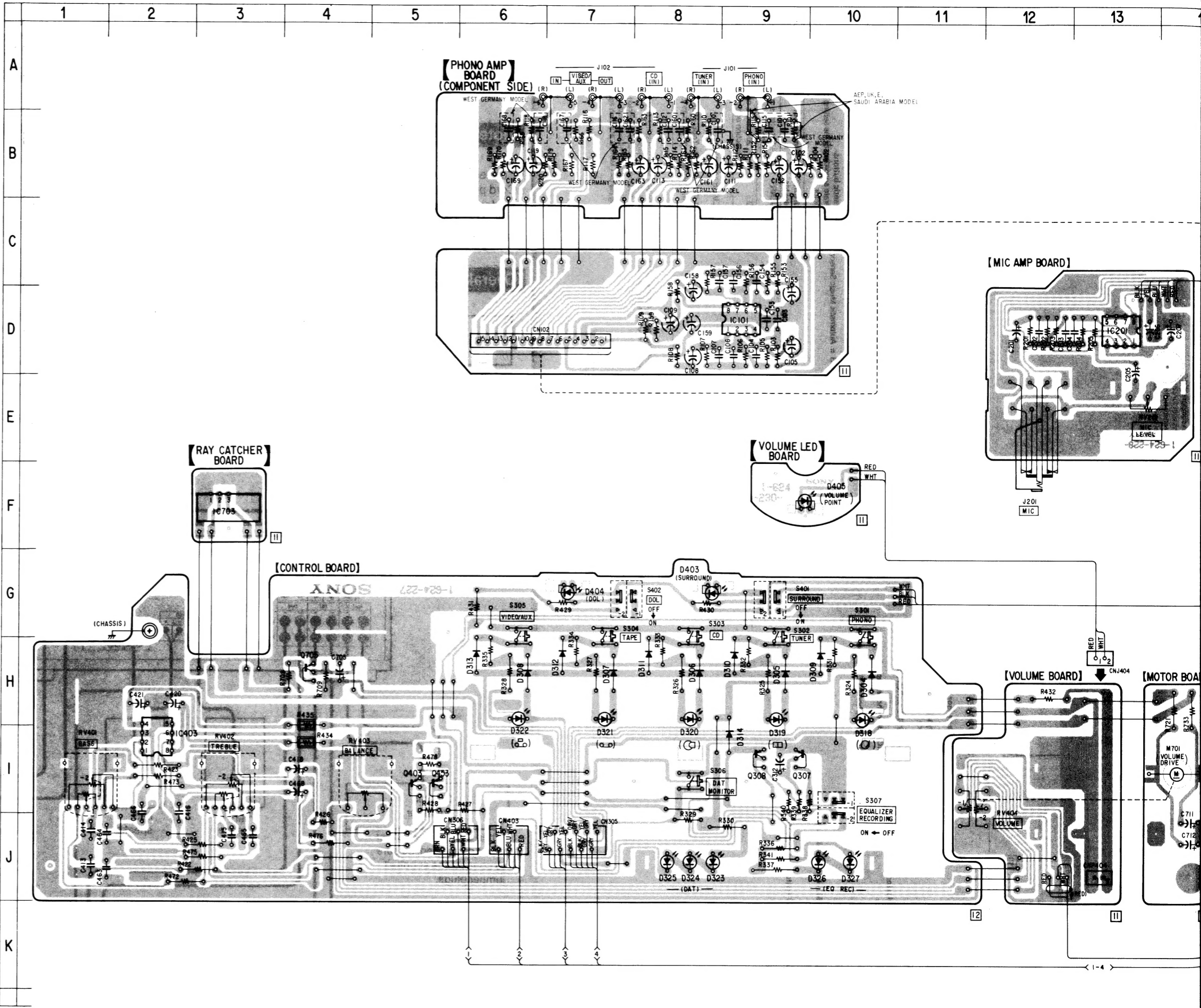
| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D301 | E-18 | IC101 | D-9 |
| D302 | E-18 | IC201 | D-13 |
| D303 | G-17 | IC301 | D-17 |
| D304 | H-10 | IC302 | E-16 |
| D305 | H-9 | IC303 | B-19 |
| D306 | H-8 | IC401 | H-16 |
| D307 | H-7 | IC402 | I-16 |
| D308 | H-6 | IC403 | I-2 |
| D309 | H-10 | IC501 | G-22 |
| D310 | H-9 | IC701 | G-18 |
| D311 | H-8 | IC702 | C-20 |
| D312 | H-7 | IC703 | F-3 |
| D313 | H-6 | IC801 | J-17 |
| D314 | I-9 | IC802 | J-18 |
| D318 | H-10 | | |
| D319 | H-9 | Q301 | F-17 |
| D320 | H-8 | Q302 | F-17 |
| D321 | H-7 | Q304 | F-16 |
| D322 | H-6 | Q305 | C-19 |
| D323 | J-8 | Q306 | D-19 |
| D324 | J-8 | Q307 | I-9 |
| D325 | J-8 | Q308 | I-9 |
| D326 | J-10 | Q309 | G-17 |
| D327 | J-10 | Q401 | J-16 |
| D401 | J-18 | Q402 | J-16 |
| D402 | J-18 | Q403 | I-5 |
| D403 | G-8 | Q451 | J-17 |
| D404 | G-7 | Q452 | J-17 |
| D405 | F-9 | Q453 | I-5 |
| D451 | J-18 | Q701 | H-18 |
| D452 | J-18 | Q702 | H-18 |
| D701 | H-18 | Q703 | H-18 |
| D703 | E-21 | Q704 | H-18 |
| D704 | C-20 | Q705 | H-4 |
| D705 | D-20 | Q706 | B-20 |
| D706 | C-20 | Q707 | B-21 |
| D707 | B-20 | Q708 | H-18 |
| D709 | H-25 | Q709 | H-18 |
| D753 | E-21 | Q710 | H-18 |
| D801 | J-26 | Q711 | F-21 |
| D805 | J-25 | Q712 | C-20 |
| D806 | I-25 | Q761 | E-21 |
| D807 | I-25 | | |
| D808 | I-25 | | |
| D819 | J-19 | | |

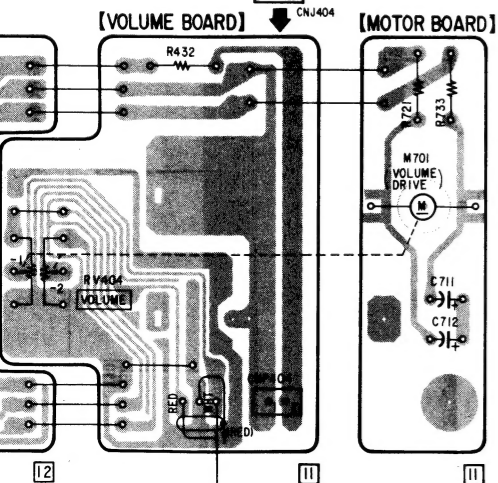
Note:
● Color code or sleeving over the end of the jacket.

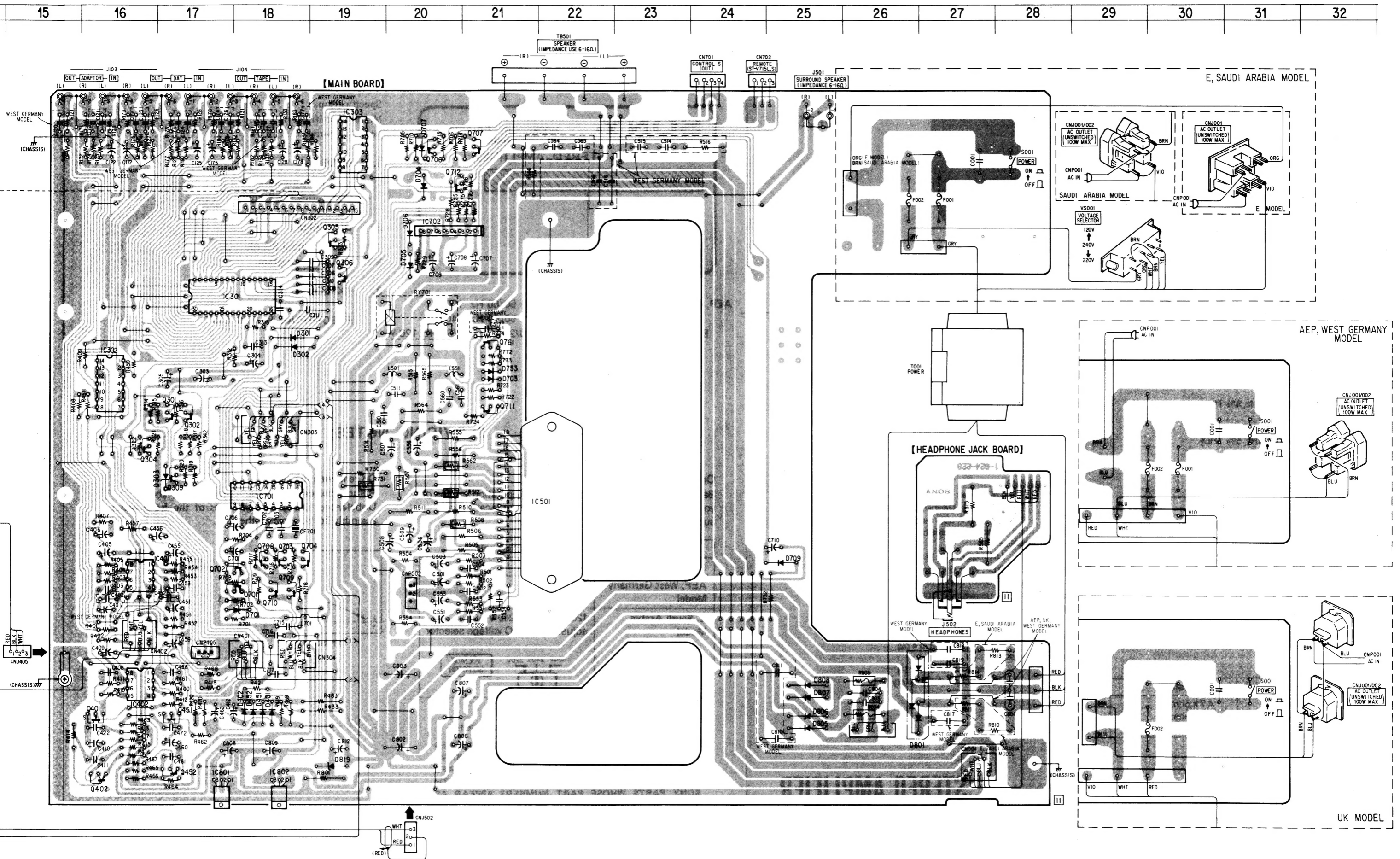


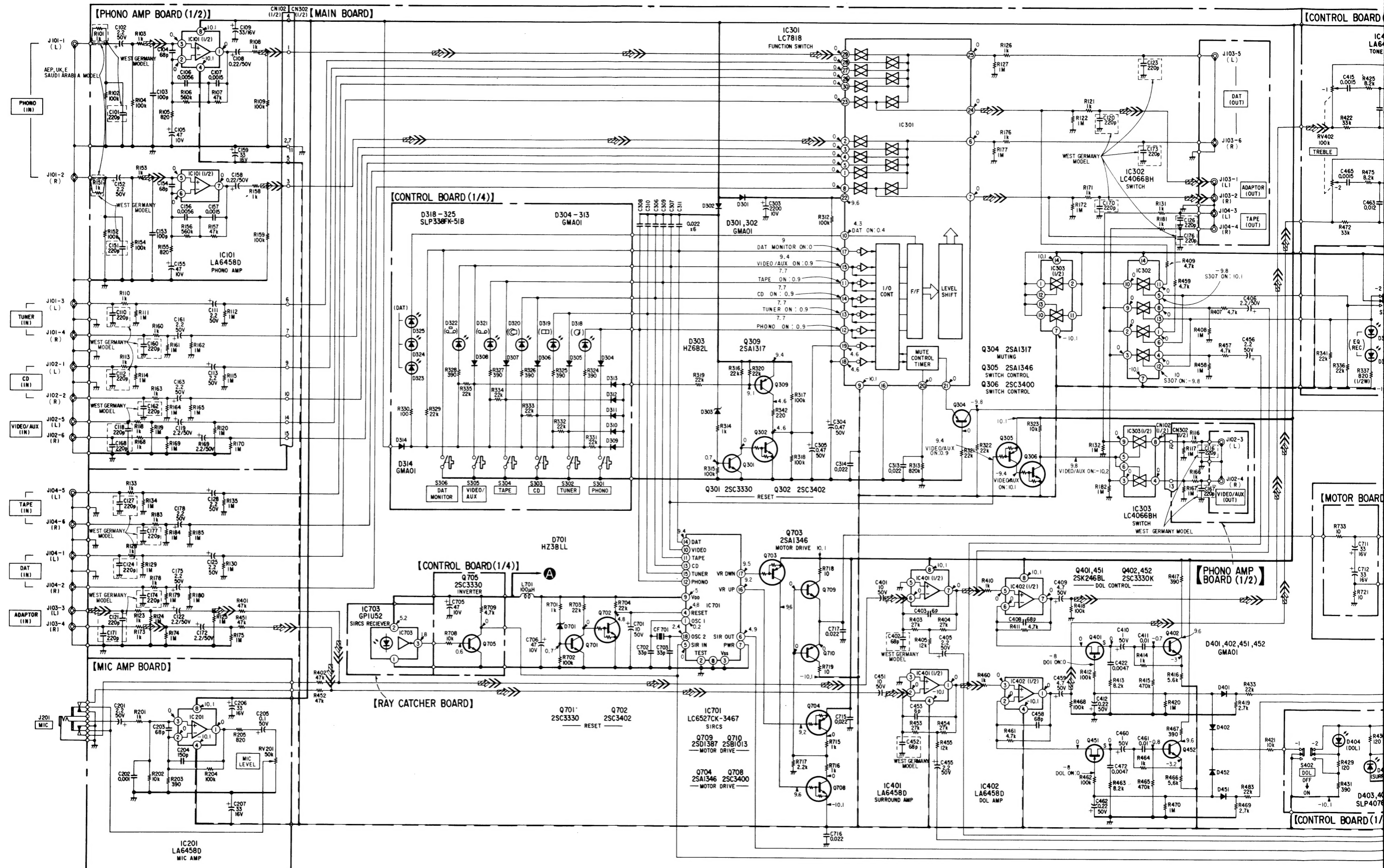
● ○ : parts extracted from the component side.
● ● : parts extracted from the conductor side.

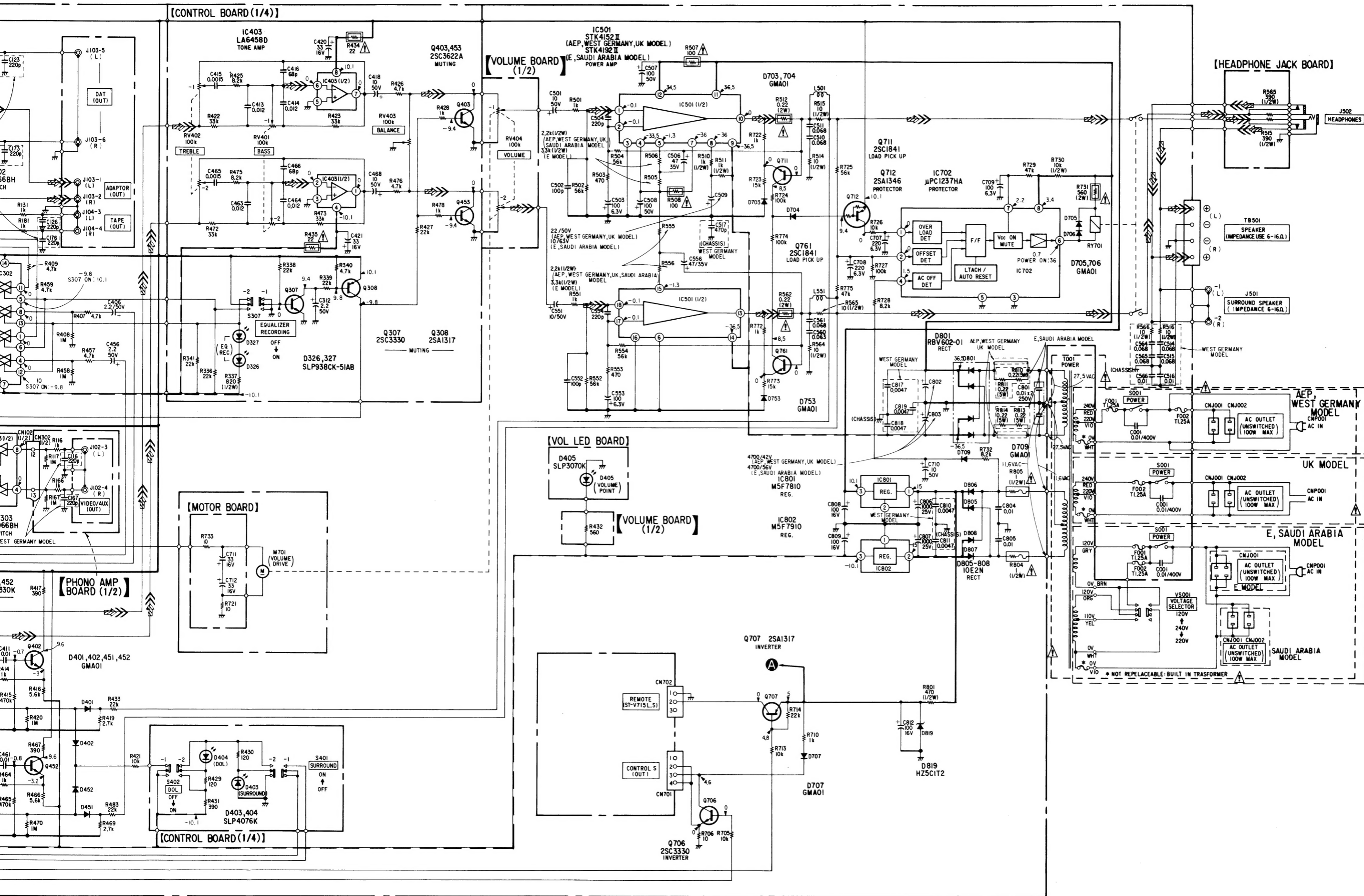
SECTION 2
DIAGRAMS











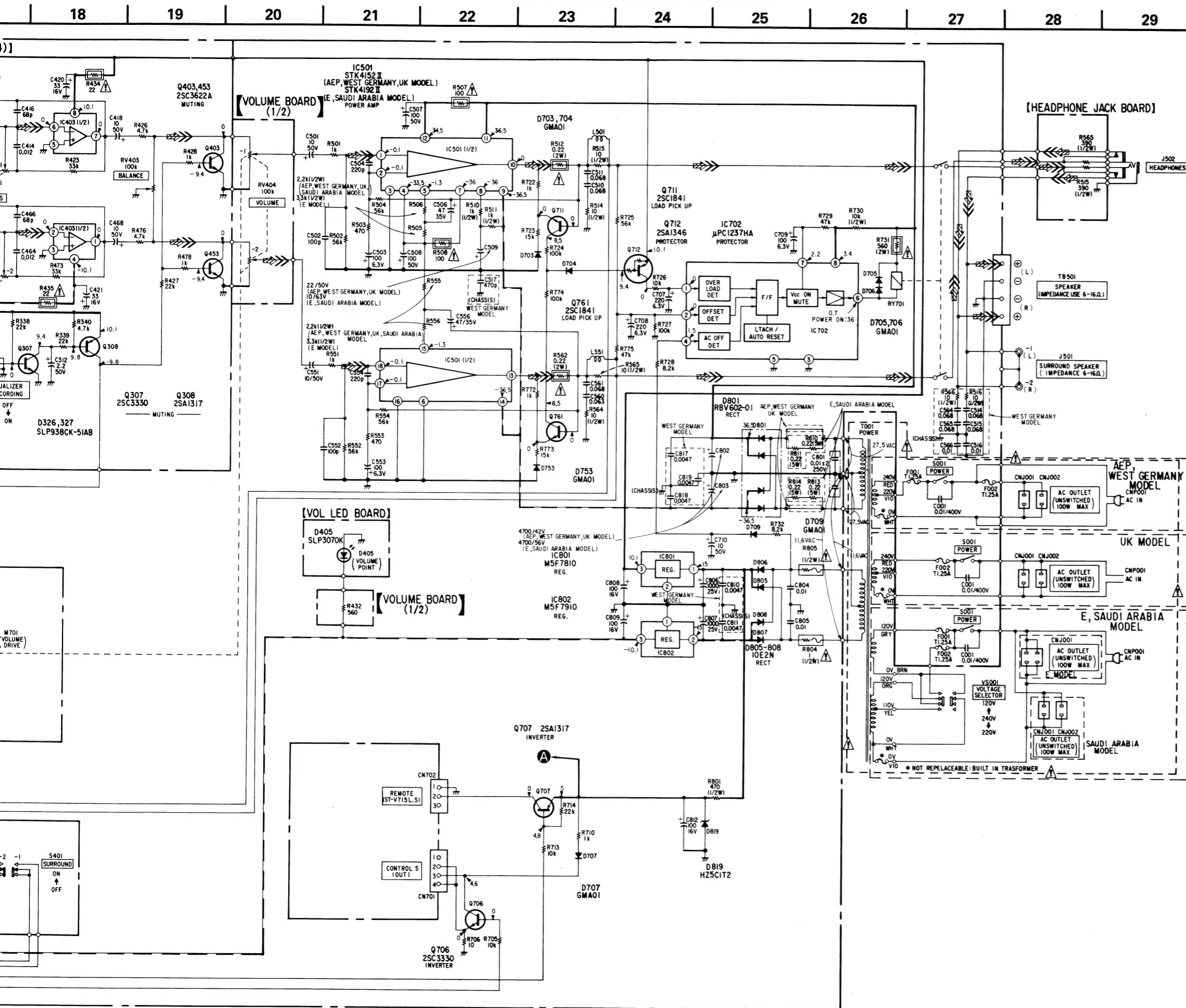
Note:

- All capacitors are 50WV or higher unless specified.
- All resistors are specified in ohms, kilohms, or megohms.
- Voltage under no load.
- Voltages are given in parentheses.
- Signal path.
- Switch.




Ref. No.

- S001
- S301
- S302
- S303
- S304
- S305
- S306
- S307
- S401
- S402
- VS001

Note: The line is not connected to the chassis.



Note:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
-  : nonflammable resistor.
-  : fusible resistor.
- Voltage and waveforms are dc with respect to ground unless no-signal (detuned) conditions.
- Voltages are taken with a VOM (50 k Ω /V).
Voltage variations may be noted due to normal production tolerances.
- Signal path.
 : PHONO
- Switch

| Ref. No. | Switch | Position |
|----------|---------------------|----------|
| S001 | POWER | OFF |
| S301 | PHONO | OFF |
| S302 | TUNER | OFF |
| S303 | CD | OFF |
| S304 | TAPE | OFF |
| S305 | VIDEO/AUX | OFF |
| S306 | DAT MONITOR | OFF |
| S307 | EQUALIZER RECORDING | OFF |
| S401 | SURROUND | OFF |
| S402 | DOL | OFF |
| VS001 | VOLTAGE SELECTOR | 240V |



Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

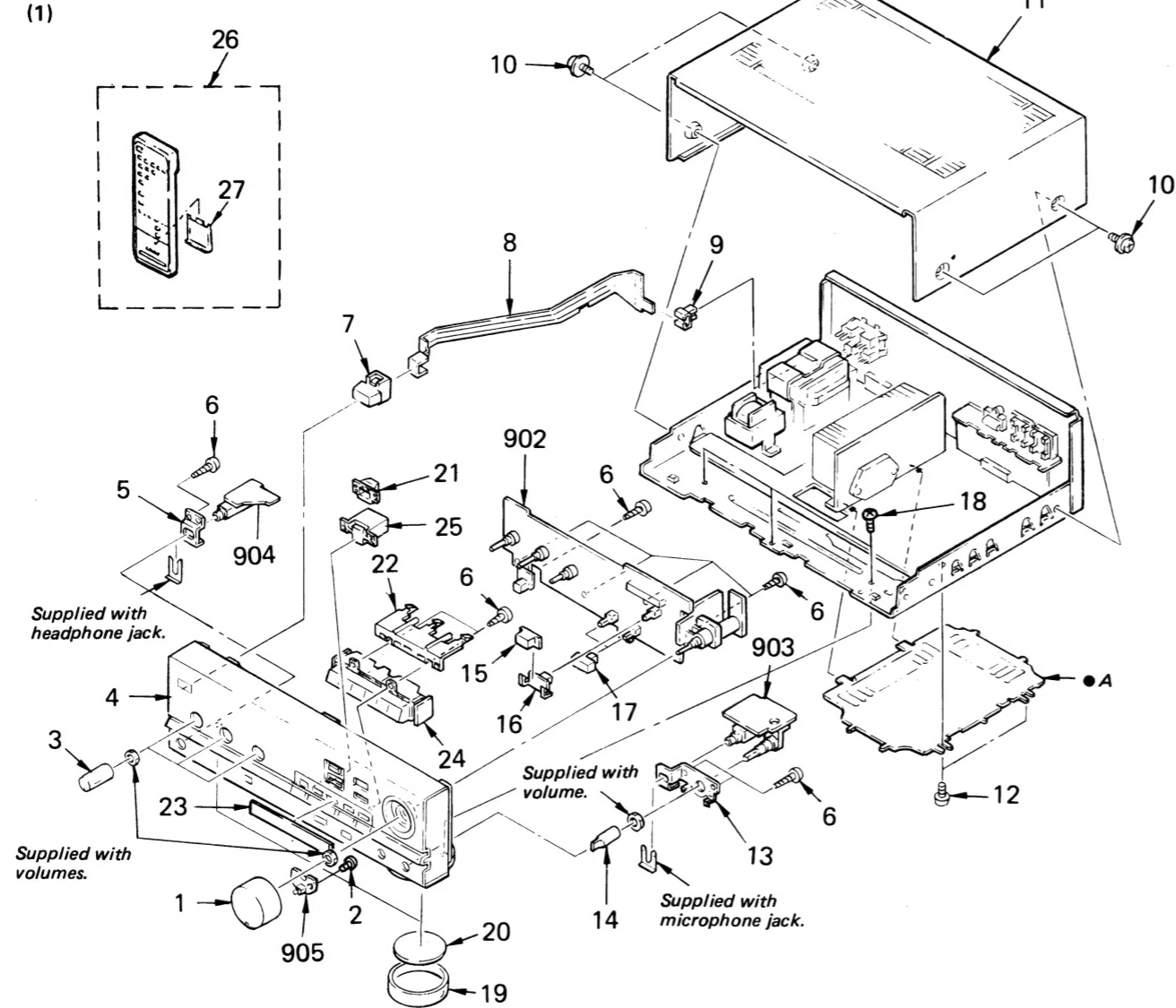
SECTION 3
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ Cabinet's Color ↑ Parts Color

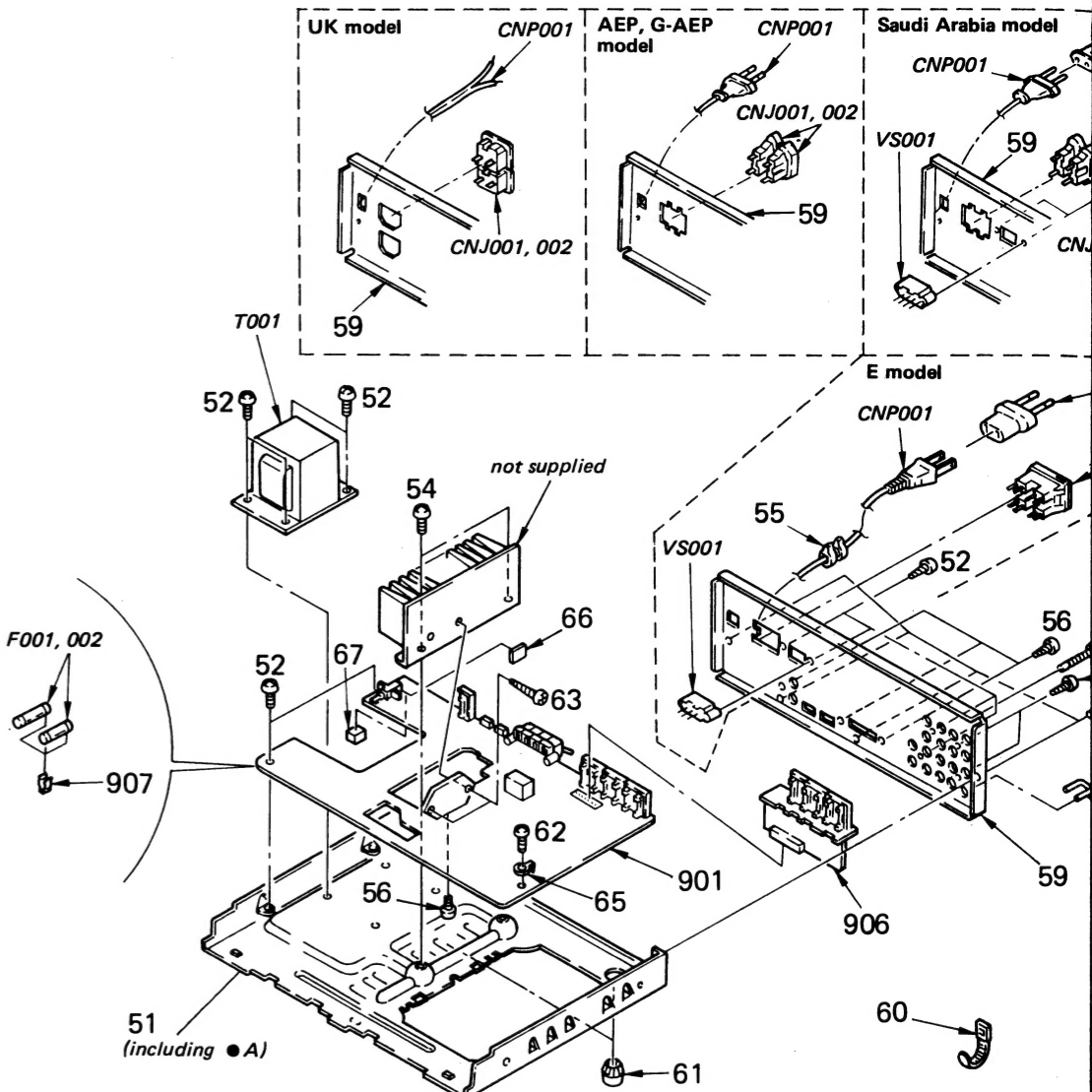
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.





| No. | Part No. | Description | Remarks |
|-----|---------------|------------------------------|---------|
| 1 | 4-921-926-01 | KNOB (V) | |
| 2 | 7-685-533-11 | SCREW +BTP 2.6X6 TYPE2 N-S | |
| 3 | 4-916-746-01 | KNOB (DIA.21) | |
| 4 | X-4917-243-1 | PANEL ASSY, FRONT | |
| 5 | *4-921-909-01 | BRACKET (J) | |
| 6 | 7-685-134-19 | SCREW +BTP 2.6X8 TYPE2 N-S | |
| 7 | 4-921-919-01 | BUTTON (POWER) | |
| 8 | *4-921-925-01 | JOINT | |
| 9 | 4-866-342-00 | JOINT (B), KNOB | |
| 10 | 3-704-366-01 | SCREW (CASE) (M3X8) | |
| 11 | 4-919-378-31 | CASE | |
| 12 | 7-682-548-04 | SCREW +BVTT 3X8 (S) | |
| 13 | *4-921-907-01 | BRACKET (M) | |
| 14 | 4-921-921-01 | KNOB (MIC LEVEL) | |
| 15 | 4-921-914-01 | BUTTON (EQUALIZER RECORDING) | |

| No. | Part No. | Description | Remarks |
|-----|---------------|--------------------------------|---------|
| 16 | *4-921-911-01 | JOINT | |
| 17 | 4-921-920-01 | BUTTON (DOL/SURROUND) | |
| 18 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S | |
| 19 | 4-921-918-01 | PLATE, ORNAMENTAL | |
| 20 | 4-921-906-01 | FELT | |
| 21 | *4-921-908-01 | HOLDER, LED | |
| 22 | *4-921-923-01 | HOLDER (FUNCTION), LED | |
| 23 | *4-921-928-01 | INDICATOR (FUNCTION) | |
| 24 | 4-921-927-01 | BUTTON (FUNCTION) | |
| 25 | 4-921-915-01 | BUTTON (DAT MONITOR) | |
| 26 | 1-465-037-11 | REMOTE COMMANDER (RM-S715) | |
| 27 | 2-394-123-01 | COVER, BATTERY (FOR RM-S715) | |
| 902 | *A-4375-340-A | MOUNTED PCB, CONTROL | |
| 903 | *1-624-228-11 | PC BOARD, MICROPHONE AMPLIFIER | |
| 904 | *1-624-229-11 | PC BOARD, HEADPHONE | |
| 905 | *1-624-230-11 | PC BOARD, VOL LED | |

(2)



| No. | Part No. | Description | Remarks | No. | Part No. | Description |
|-----|---------------|--------------------------------------|---------|-------|----------------------|----------------------------|
| 51 | *X-4917-246-1 | CHASSIS ASSY | | 906 | *1-627-324-11 | PC BOARD, PHONO AMPLIFIER |
| 52 | 7-682-548-04 | SCREW +BVTT 3X8 (S) | | 907 | 1-533-183-11 | HOLDER, FUSE |
| 54 | 7-682-549-04 | SCREW +BVTT 3X10 (S) | | 908 | 1-535-706-11 | PLUG, JUMPER |
| 55 | *3-703-244-00 | (AEP,West Germany,UK,Saudi Arabia) | | 909 | △.1-506-409-11 | (Saudi Arabia)...ADAPTOR |
| | |BUSHING (2104), CORD | | | △.1-526-565-00 | (E).....AC PLUG |
| | 3-703-571-00 | (E).....BUSHING (S) (4516), CORD | | | △CNJ001.1-526-751-00 | (UK).....OUTLET, AC |
| 56 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 N-S | | | △CNJ001.1-526-752-00 | (E).....OUTLET, AC (2 G |
| 57 | *3-706-165-00 | SCREW | | | △CNJ001.1-526-794-11 | (AEP,West Germany,Saudi A |
| 58 | 7-621-849-00 | SCREW, TAPPING | | | |OUTLET, AC |
| 59 | *4-925-112-01 | (AEP).....PANEL, BACK | | | △CNJ002.1-526-751-00 | (UK).....OUTLET, AC |
| | | | | | △CNJ002.1-526-794-11 | (AEP,West Germany,Saudi A |
| | *4-925-112-11 | (West Germany)....PANEL, BACK | | | |OUTLET, AC |
| | *4-925-112-21 | (UK).....PANEL, BACK | | | △CNP001.1-551-188-XX | (E).....CORD, P |
| | *4-925-112-41 | (E,Saudi Arabia)...PANEL, BACK | | | △CNP001.1-555-750-00 | (AEP,West Germany,Saudi A |
| | | | | | | ...CORD, P |
| 60 | 3-701-748-00 | CLAMP | | | △CNP001.1-556-035-00 | (UK).....CORD, P |
| 61 | X-4921-901-1 | FOOT ASSY | | | | |
| 62 | 3-703-685-21 | SCREW (+BV 3X8) | | F001 | △.1-532-285-00 | (AEP,West Germany,E,Saudi |
| 63 | 7-685-650-79 | SCREW +BVTP 3X16 TYPE2 IT-3 | | | | ...FUSE, TIME- |
| | | | | F002 | △.1-532-285-00 | FUSE, TIME-LAG T1.25A |
| 65 | 4-870-539-00 | PLATE, GROUND | | | | |
| 66 | 9-911-843-XX | SPACER, PC BOARD | | T001 | △.1-449-362-11 | (AEP,West Germany,UK)...TR |
| 67 | 4-911-357-01 | INSULATOR | | T001 | △.1-449-363-11 | (E,Saudi Arabia).....TR |
| | | | | VS001 | △.1-570-307-11 | (E)...SWITCH, VOLTAGE CHA |
| 901 | *A-4388-772-A | (AEP).....MOUNTED PCB, MAIN | | | | |
| | *A-4388-773-A | (West Germany)....MOUNTED PCB, MAIN | | | | |
| | *A-4388-774-A | (UK).....MOUNTED PCB, MAIN | | | | |
| | *A-4388-775-A | (E,Saudi Arabia)...MOUNTED PCB, MAIN | | | | |

Note: The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

SECTION 4

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: μ F.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:
UA....: μ A...., UPA....: μ PA....,
UPC....: μ PC, UPD....: μ PD....

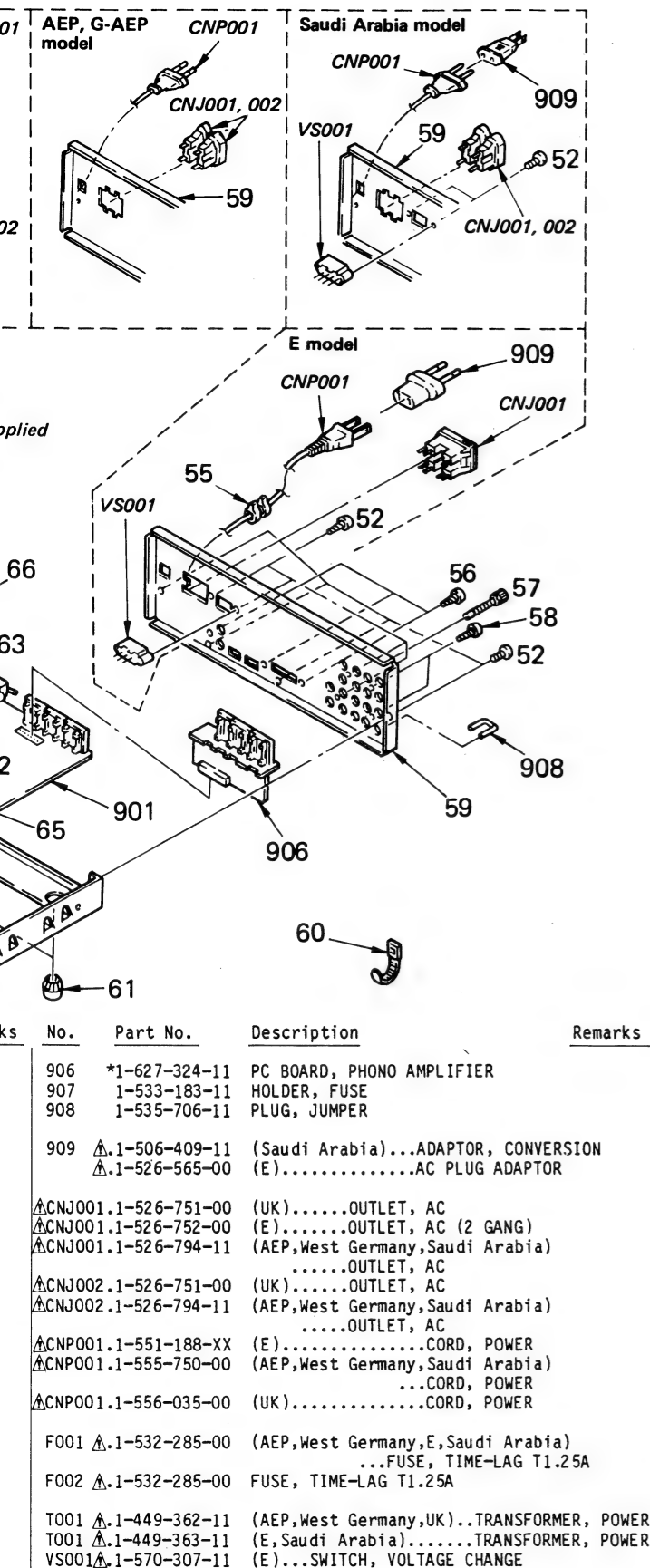
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

| Ref.No. | Part No. | Description |
|---------|-----------------------|---|
| 901 | *A-4388-772-A | (AEP).....MOUNTED PCB, MAIN |
| | *A-4388-773-A | (West Germany).....MOUNTED PCB, MAIN |
| | *A-4388-774-A | (UK).....MOUNTED PCB, MAIN |
| | *A-4388-775-A | (E,Saudi Arabia).....MOUNTED PCB, MAIN |
| 902 | *A-4375-340-A | MOUNTED PCB, CONTROL |
| 903 | *1-624-228-11 | PC BOARD, MICROPHONE AMPLIFIER |
| 904 | *1-624-229-11 | PC BOARD, HEADPHONE |
| 905 | *1-624-230-11 | PC BOARD, VOL LED |
| 906 | *1-627-324-11 | PC BOARD, PHONO AMPLIFIER |
| 907 | 1-533-183-11 | HOLDER, FUSE |
| 908 | 1-535-706-11 | PLUG, JUMPER |
| 909 | Δ 1-506-409-11 | (Saudi Arabia)....ADAPTOR, CONVERSION |
| | Δ 1-526-565-00 | (E).....AC PLUG ADAPTOR |
| C001 | 1-161-744-00 | CERAMIC 0.01MF 400V |
| C101 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C102 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C103 | 1-162-282-31 | CERAMIC 100PF 10% 50V |
| C104 | 1-162-219-31 | CERAMIC 68PF 5% 50V |
| C105 | 1-124-446-11 | ELECT 47MF 20% 10V |
| C106 | 1-130-480-00 | MYLAR 0.0056MF 5% 50V |
| C107 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V |
| C108 | 1-124-464-11 | ELECT 0.22MF 20% 50V |
| C109 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C110 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C111 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C112 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C113 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C116 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C118 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C119 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C120 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C121 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C122 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C123 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C124 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C125 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C126 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C127 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C128 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C151 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C152 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C153 | 1-162-282-31 | CERAMIC 100PF 10% 50V |
| C154 | 1-162-219-31 | CERAMIC 68PF 5% 50V |
| C155 | 1-124-446-11 | ELECT 47MF 20% 10V |
| C156 | 1-130-480-00 | MYLAR 0.0056MF 5% 50V |
| C157 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V |

| Ref.No. | Part No. | Description |
|---------|--------------|---|
| C158 | 1-124-464-11 | ELECT 0.22MF 20% 50V |
| C159 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C160 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C161 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C162 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C163 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C167 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C168 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C169 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C170 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C171 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C172 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C173 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C174 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C175 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C176 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C177 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C178 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C201 | 1-124-925-11 | ELECT 2.2MF 20% 50V |
| C202 | 1-162-294-31 | CERAMIC 0.001MF 10% 50V |
| C203 | 1-162-219-31 | CERAMIC 68PF 5% 50V |
| C204 | 1-162-284-31 | CERAMIC 150PF 10% 50V |
| C205 | 1-124-463-00 | ELECT 0.1MF 20% 50V |
| C206 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C207 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C303 | 1-124-893-11 | ELECT 2200MF 20% 10V |
| C304 | 1-124-902-00 | ELECT 0.47MF 20% 50V |
| C305 | 1-124-902-00 | ELECT 0.47MF 20% 50V |
| C306 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C307 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C308 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C309 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C310 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C311 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C312 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C313 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C314 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C401 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C402 | 1-102-888-00 | (West Germany)....CERAMIC 68PF 5% 50V |
| C403 | 1-102-943-00 | CERAMIC 6PF 0.5PF 50V |
| C405 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C406 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C408 | 1-101-888-00 | CERAMIC 68PF 5% 50V |
| C409 | 1-124-927-11 | ELECT 4.7MF 20% 50V |
| C410 | 1-124-499-11 | ELECT 1MF 20% 50V |

| Ref.No. | Part No. | Description |
|---------|--------------|---|
| C411 | 1-136-153-00 | FILM 0.01MF 5% 50V |
| C412 | 1-124-464-11 | ELECT 0.22MF 20% 50V |
| C413 | 1-136-154-00 | FILM 0.012MF 5% 50V |
| C414 | 1-136-154-00 | FILM 0.012MF 5% 50V |
| C415 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V |
| C416 | 1-101-888-00 | CERAMIC 68PF 5% 50V |
| C418 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C420 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C421 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C422 | 1-130-479-00 | MYLAR 0.0047MF 5% 50V |
| C451 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C452 | 1-102-888-00 | (West Germany)....CERAMIC 68PF 5% 50V |
| C453 | 1-102-943-00 | CERAMIC 6PF 0.5PF 50V |
| C455 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C456 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C458 | 1-101-888-00 | CERAMIC 68PF 5% 50V |
| C459 | 1-124-927-11 | ELECT 4.7MF 20% 50V |
| C460 | 1-124-499-11 | ELECT 1MF 20% 50V |
| C461 | 1-136-153-00 | FILM 0.01MF 5% 50V |
| C462 | 1-124-464-11 | ELECT 0.22MF 20% 50V |
| C463 | 1-136-154-00 | FILM 0.012MF 5% 50V |
| C464 | 1-136-154-00 | FILM 0.012MF 5% 50V |
| C465 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V |
| C466 | 1-101-888-00 | CERAMIC 68PF 5% 50V |
| C468 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C472 | 1-130-479-00 | MYLAR 0.0047MF 5% 50V |
| C501 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C502 | 1-102-973-00 | CERAMIC 100PF 5% 50V |
| C503 | 1-124-443-00 | ELECT 100MF 20% 6.3V |
| C504 | 1-102-978-00 | CERAMIC 220PF 5% 50V |
| C506 | 1-124-910-11 | ELECT 47MF 20% 35V |
| C507 | 1-124-122-11 | ELECT 100MF 20% 50V |
| C508 | 1-124-122-11 | ELECT 100MF 20% 50V |
| C509 | 1-124-908-11 | (AEP,West Germany,UK) ...ELECT 22MF 20% 50V |
| C509 | 1-124-915-11 | (E,Saudi Arabia) ...ELECT 10MF 20% 63V |
| C510 | 1-136-163-00 | FILM 0.068MF 5% 50V |
| C511 | 1-136-163-00 | FILM 0.068MF 5% 50V |
| C514 | 1-136-163-00 | (West Germany)....FILM 0.068MF 5% 50V |
| C515 | 1-136-163-00 | (West Germany)....FILM 0.068MF 5% 50V |
| C516 | 1-161-379-00 | (West Germany)....CERAMIC 0.01MF 30% 25V |
| C517 | 1-162-290-31 | (West Germany)....CERAMIC 470PF 10% 50V |
| C551 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C552 | 1-102-973-00 | CERAMIC 100PF 5% 50V |
| C553 | 1-124-443-00 | ELECT 100MF 20% 6.3V |
| C554 | 1-102-978-00 | CERAMIC 220PF 5% 50V |
| C556 | 1-124-910-11 | ELECT 47MF 20% 35V |
| C560 | 1-136-163-00 | FILM 0.068MF 5% 50V |
| C561 | 1-136-163-00 | FILM 0.068MF 5% 50V |
| C564 | 1-136-163-00 | (West Germany)....FILM 0.068MF 5% 50V |
| C565 | 1-136-163-00 | (West Germany)....FILM 0.068MF 5% 50V |
| C566 | 1-161-379-00 | (West Germany)....CERAMIC 0.01MF 30% 25V |
| C701 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C702 | 1-102-963-00 | CERAMIC 33PF 5% 50V |
| C703 | 1-102-963-00 | CERAMIC 33PF 5% 50V |
| C705 | 1-124-446-11 | ELECT 47MF 20% 10V |
| C706 | 1-124-446-11 | ELECT 47MF 20% 10V |

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.



SECTION 4

ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:MF: μ F, PF: μ F.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORSIn each case, U: μ , for example:UA...: μ A..., UPA...: μ PA...,UPC...: μ PC, UPD...: μ PD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

| Ref.No. | Part No. | Description |
|---------|-----------------------|---|
| 901 | *A-4388-772-A | (AEP).....MOUNTED PCB, MAIN |
| | *A-4388-773-A | (West Germany).....MOUNTED PCB, MAIN |
| | *A-4388-774-A | (UK).....MOUNTED PCB, MAIN |
| | *A-4388-775-A | (E,Saudi Arabia).....MOUNTED PCB, MAIN |
| 902 | *A-4375-340-A | MOUNTED PCB, CONTROL |
| 903 | *1-624-228-11 | PC BOARD, MICROPHONE AMPLIFIER |
| 904 | *1-624-229-11 | PC BOARD, HEADPHONE |
| 905 | *1-624-230-11 | PC BOARD, VOL LED |
| 906 | *1-627-324-11 | PC BOARD, PHONO AMPLIFIER |
| 907 | 1-533-183-11 | HOLDER, FUSE |
| 908 | 1-535-706-11 | PLUG, JUMPER |
| 909 | Δ 1-506-409-11 | (Saudi Arabia)....ADAPTOR, CONVERSION |
| | Δ 1-526-565-00 | (E).....AC PLUG ADAPTOR |
| C001 | 1-161-744-00 | CERAMIC 0.01MF 400V |
| C101 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C102 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C103 | 1-162-282-31 | CERAMIC 100PF 10% 50V |
| C104 | 1-162-219-31 | CERAMIC 68PF 5% 50V |
| C105 | 1-124-446-11 | ELECT 47MF 20% 10V |
| C106 | 1-130-480-00 | MYLAR 0.0056MF 5% 50V |
| C107 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V |
| C108 | 1-124-464-11 | ELECT 0.22MF 20% 50V |
| C109 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C110 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C111 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C112 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C113 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C116 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C118 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C119 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C120 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C121 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C122 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C123 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C124 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C125 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C126 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C127 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C128 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C151 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C152 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C153 | 1-162-282-31 | CERAMIC 100PF 10% 50V |
| C154 | 1-162-219-31 | CERAMIC 68PF 5% 50V |
| C155 | 1-124-446-11 | ELECT 47MF 20% 10V |
| C156 | 1-130-480-00 | MYLAR 0.0056MF 5% 50V |
| C157 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V |

| Ref.No. | Part No. | Description |
|---------|--------------|---|
| C158 | 1-124-464-11 | ELECT 0.22MF 20% 50V |
| C159 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C160 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C161 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C162 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C163 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C167 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C168 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C169 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C170 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C171 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C172 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C173 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C174 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C175 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C176 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C177 | 1-162-286-31 | (West Germany)....CERAMIC 220PF 10% 50V |
| C178 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C201 | 1-124-925-11 | ELECT 2.2MF 20% 50V |
| C202 | 1-162-294-31 | CERAMIC 0.001MF 10% 50V |
| C203 | 1-162-219-31 | CERAMIC 68PF 5% 50V |
| C204 | 1-162-284-31 | CERAMIC 150PF 10% 50V |
| C205 | 1-124-463-00 | ELECT 0.1MF 20% 50V |
| C206 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C207 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C303 | 1-124-893-11 | ELECT 2200MF 20% 10V |
| C304 | 1-124-902-00 | ELECT 0.47MF 20% 50V |
| C305 | 1-124-902-00 | ELECT 0.47MF 20% 50V |
| C306 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C307 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C308 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C309 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C310 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C311 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C312 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C313 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C314 | 1-161-494-00 | CERAMIC 0.022MF 25V |
| C401 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C402 | 1-102-888-00 | (West Germany)....CERAMIC 68PF 5% 50V |
| C403 | 1-102-943-00 | CERAMIC 6PF 0.5PF 50V |
| C405 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C406 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C408 | 1-101-888-00 | CERAMIC 68PF 5% 50V |
| C409 | 1-124-927-11 | ELECT 4.7MF 20% 50V |
| C410 | 1-124-499-11 | ELECT 1MF 20% 50V |

| Ref.No. | Part No. | Description |
|---------|--------------|---|
| C411 | 1-136-153-00 | FILM 0.01MF 5% 50V |
| C412 | 1-124-464-11 | ELECT 0.22MF 20% 50V |
| C413 | 1-136-154-00 | FILM 0.012MF 5% 50V |
| C414 | 1-136-154-00 | FILM 0.012MF 5% 50V |
| C415 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V |
| C416 | 1-101-888-00 | CERAMIC 68PF 5% 50V |
| C418 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C420 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C421 | 1-124-963-11 | ELECT 33MF 20% 16V |
| C422 | 1-130-479-00 | MYLAR 0.0047MF 5% 50V |
| C451 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C452 | 1-102-888-00 | (West Germany)....CERAMIC 68PF 5% 50V |
| C453 | 1-102-943-00 | CERAMIC 6PF 0.5PF 50V |
| C455 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C456 | 1-124-257-00 | ELECT 2.2MF 20% 50V |
| C458 | 1-101-888-00 | CERAMIC 68PF 5% 50V |
| C459 | 1-124-927-11 | ELECT 4.7MF 20% 50V |
| C460 | 1-124-499-11 | ELECT 1MF 20% 50V |
| C461 | 1-136-153-00 | FILM 0.01MF 5% 50V |
| C462 | 1-124-464-11 | ELECT 0.22MF 20% 50V |
| C463 | 1-136-154-00 | FILM 0.012MF 5% 50V |
| C464 | 1-136-154-00 | FILM 0.012MF 5% 50V |
| C465 | 1-130-473-00 | MYLAR 0.0015MF 5% 50V |
| C466 | 1-101-888-00 | CERAMIC 68PF 5% 50V |
| C468 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C472 | 1-130-479-00 | MYLAR 0.0047MF 5% 50V |
| C501 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C502 | 1-102-973-00 | CERAMIC 100PF 5% 50V |
| C503 | 1-124-443-00 | ELECT 100MF 20% 6.3V |
| C504 | 1-102-978-00 | CERAMIC 220PF 5% 50V |
| C506 | 1-124-910-11 | ELECT 47MF 20% 35V |
| C507 | 1-124-122-11 | ELECT 100MF 20% 50V |
| C508 | 1-124-122-11 | ELECT 100MF 20% 50V |
| C509 | 1-124-908-11 | (AEP,West Germany,UK) ...ELECT 22MF 20% 50V |
| C509 | 1-124-915-11 | (E,Saudi Arabia) ...ELECT 10MF 20% 63V |
| C510 | 1-136-163-00 | FILM 0.068MF 5% 50V |
| C511 | 1-136-163-00 | FILM 0.068MF 5% 50V |
| C514 | 1-136-163-00 | (West Germany)....FILM 0.068MF 5% 50V |
| C515 | 1-136-163-00 | (West Germany)....FILM 0.068MF 5% 50V |
| C516 | 1-161-379-00 | (West Germany)....CERAMIC 0.01MF 30% 25V |
| C517 | 1-162-290-31 | (West Germany)....CERAMIC 470PF 10% 50V |
| C551 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C552 | 1-102-973-00 | CERAMIC 100PF 5% 50V |
| C553 | 1-124-443-00 | ELECT 100MF 20% 6.3V |
| C554 | 1-102-978-00 | CERAMIC 220PF 5% 50V |
| C556 | 1-124-910-11 | ELECT 47MF 20% 35V |
| C560 | 1-136-163-00 | FILM 0.068MF 5% 50V |
| C561 | 1-136-163-00 | FILM 0.068MF 5% 50V |
| C564 | 1-136-163-00 | (West Germany)....FILM 0.068MF 5% 50V |
| C565 | 1-136-163-00 | (West Germany)....FILM 0.068MF 5% 50V |
| C566 | 1-161-379-00 | (West Germany)....CERAMIC 0.01MF 30% 25V |
| C701 | 1-123-875-11 | ELECT 10MF 20% 50V |
| C702 | 1-102-963-00 | CERAMIC 33PF 5% 50V |
| C703 | 1-102-963-00 | CERAMIC 33PF 5% 50V |
| C705 | 1-124-446-11 | ELECT 47MF 20% 10V |
| C706 | 1-124-446-11 | ELECT 47MF 20% 10V |

| Ref.No. | Part No. | Description | | | |
|----------------------|---------------------------------|-----------------------------------|---------|----------|---------|
| C707 | 1-126-176-11 | ELECT | 220MF | 20% | 6.3V |
| C708 | 1-126-176-11 | ELECT | 220MF | 20% | 6.3V |
| C709 | 1-124-443-00 | ELECT | 100MF | 20% | 6.3V |
| C710 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C711 | 1-124-963-11 | ELECT | 33MF | 20% | 16V |
| C712 | 1-124-963-11 | ELECT | 33MF | 20% | 16V |
| C715 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C716 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C717 | 1-161-494-00 | CERAMIC | 0.022MF | | 25V |
| C801 | 1-102-355-00 | CERAMIC | 0.01MF | | 250V |
| C802 | 1-126-224-11 | (AEP,West Germany,UK) | | | |
| | |ELECT | 4700MF | 20% | 42V |
| C802 | 1-126-258-11 | (E,Saudi Arabia)... | ELECT | 4700MF | 20% 56V |
| C803 | 1-126-224-11 | (AEP,West Germany,UK) | | | |
| | |ELECT | 4700MF | 20% | 42V |
| C803 | 1-126-258-11 | (E,Saudi Arabia)... | ELECT | 4700MF | 20% 56V |
| C804 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 25V |
| C805 | 1-161-379-00 | CERAMIC | 0.01MF | 30% | 25V |
| C806 | 1-124-557-11 | ELECT | 1000MF | 20% | 25V |
| C807 | 1-124-557-11 | ELECT | 1000MF | 20% | 25V |
| C808 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C809 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C810 | 1-161-377-00 | (West Germany)... | CERAMIC | 0.0047MF | 30% 50V |
| C811 | 1-161-377-00 | (West Germany)... | CERAMIC | 0.0047MF | 30% 50V |
| C812 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C817 | 1-161-377-00 | (West Germany)... | CERAMIC | 0.0047MF | 30% 50V |
| C818 | 1-161-377-00 | (West Germany)... | CERAMIC | 0.0047MF | 30% 50V |
| C819 | 1-161-377-00 | (West Germany)... | CERAMIC | 0.0047MF | 30% 50V |
| CF701 | 1-567-738-11 | VIBRATOR, CERAMIC | | | |
| CN102 | *1-563-858-11 | CONNECTOR, BOARD TO BOARD | 15P | | |
| CN201 | *1-562-250-00 | SOCKET, CONNECTOR | 5P | | |
| CN302 | *1-566-383-11 | CONNECTOR, BOARD TO BOARD | 15P | | |
| CN303 | *1-566-904-11 | HOUSING, CONNECTOR | 10P | | |
| CN304 | *1-566-825-11 | HOUSING, CONNECTOR | 6P | | |
| CN305 | *1-566-904-11 | HOUSING, CONNECTOR | 10P | | |
| CN306 | *1-566-825-11 | HOUSING, CONNECTOR | 6P | | |
| CN401 | *1-566-167-11 | HOUSING, CONNECTOR | 5P | | |
| CN402 | *1-566-167-11 | HOUSING, CONNECTOR | 5P | | |
| CN403 | *1-566-167-11 | HOUSING, CONNECTOR | 5P | | |
| CN404 | *1-564-505-11 | PLUG, CONNECTOR | 2P | | |
| CN405 | *1-564-705-11 | PIN, CONNECTOR (SMALL TYPE) | 3P | | |
| CN501 | *1-566-167-11 | HOUSING, CONNECTOR | 5P | | |
| CN502 | *1-562-250-00 | SOCKET, CONNECTOR | 5P | | |
| CN502 | *1-564-506-11 | PLUG, CONNECTOR | 3P | | |
| CN701 | 1-564-980-11 | PIN, CONNECTOR 4P (CONTROL S OUT) | | | |
| CN702 | 1-564-358-00 | PIN, CONNECTOR 3P (REMOTE) | | | |
| △CNJ001.1-526-751-00 | (UK)..... | OUTLET, AC | | | |
| △CNJ001.1-526-752-00 | (E)..... | OUTLET, AC (2 GANG) | | | |
| △CNJ001.1-526-794-11 | (AEP,West Germany,Saudi Arabia) | | | | |
| | | ...OUTLET, AC | | | |
| △CNJ002.1-526-751-00 | (UK)..... | OUTLET, AC | | | |
| △CNJ002.1-526-794-11 | (AEP,West Germany,Saudi Arabia) | | | | |
| | | ...OUTLET, AC | | | |
| △CNPO01.1-551-188-XX | (E)..... | CORD, POWER | | | |
| △CNPO01.1-555-750-00 | (AEP,West Germany,Saudi Arabia) | | | | |
| | | ...CORD, POWER | | | |
| △CNPO01.1-556-035-00 | (UK)..... | CORD, POWER | | | |
| D301 | 1-806-937-11 | DIODE GMA01 | | | |
| D302 | 1-806-937-11 | DIODE GMA01 | | | |
| D303 | 8-719-910-65 | DIODE HZ6B2L | | | |

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

| Ref.No. | Part No. | Description |
|---------|----------------|--|
| D304 | 1-806-937-11 | DIODE GMA01 |
| D305 | 1-806-937-11 | DIODE GMA01 |
| D306 | 1-806-937-11 | DIODE GMA01 |
| D307 | 1-806-937-11 | DIODE GMA01 |
| D308 | 1-806-937-11 | DIODE GMA01 |
| D309 | 1-806-937-11 | DIODE GMA01 |
| D310 | 1-806-937-11 | DIODE GMA01 |
| D311 | 1-806-937-11 | DIODE GMA01 |
| D312 | 1-806-937-11 | DIODE GMA01 |
| D313 | 1-806-937-11 | DIODE GMA01 |
| D314 | 1-806-937-11 | DIODE GMA01 |
| D318 | 8-719-969-97 | DIODE SLP-338FK-51B |
| D319 | 8-719-969-97 | DIODE SLP-338FK-51B |
| D320 | 8-719-969-97 | DIODE SLP-338FK-51B |
| D321 | 8-719-969-97 | DIODE SLP-338FK-51B |
| D322 | 8-719-969-97 | DIODE SLP-338FK-51B |
| D323 | 8-719-969-97 | DIODE SLP-338FK-51B |
| D324 | 8-719-969-97 | DIODE SLP-338FK-51B |
| D325 | 8-719-969-97 | DIODE SLP-338FK-51B |
| D326 | 8-719-969-87 | DIODE SLP-938C-51AB |
| D327 | 8-719-969-87 | DIODE SLP-938C-51AB |
| D401 | 1-806-937-11 | DIODE GMA01 |
| D402 | 1-806-937-11 | DIODE GMA01 |
| D403 | 8-719-969-96 | DIODE SLP4076 |
| D404 | 8-719-969-96 | DIODE SLP4076 |
| D405 | 8-719-969-90 | DIODE SLP3070K |
| D451 | 1-806-937-11 | DIODE GMA01 |
| D452 | 1-806-937-11 | DIODE GMA01 |
| D701 | 8-719-942-32 | DIODE H23BL |
| D703 | 1-806-937-11 | DIODE GMA01 |
| D704 | 1-806-937-11 | DIODE GMA01 |
| D705 | 1-806-937-11 | DIODE GMA01 |
| D706 | 1-806-937-11 | DIODE GMA01 |
| D707 | 1-806-937-11 | DIODE GMA01 |
| D709 | 1-806-937-11 | DIODE GMA01 |
| D753 | 1-806-937-11 | DIODE GMA01 |
| D801 | 8-719-302-38 | DIODE RBY-602-01 |
| D805 | 8-719-200-77 | DIODE 10E2N |
| D806 | 8-719-200-77 | DIODE 10E2N |
| D807 | 8-719-200-77 | DIODE 10E2N |
| D808 | 8-719-200-77 | DIODE 10E2N |
| D819 | 8-719-911-50 | DIODE HZ5C1 |
| F001 | △.1-532-285-00 | (AEP, West Germany, E, Saudi Arabia) ...FUSE, TIME-LAG T1.25A |
| F002 | △.1-532-285-00 | FUSE, TIME-LAG T1.25A |
| IC101 | 8-759-820-38 | IC LA6458D |
| IC201 | 8-759-820-38 | IC LA6458D |
| IC301 | 8-759-820-52 | IC LC7818 |
| IC302 | 8-759-800-37 | IC LC4066BH |
| IC303 | 8-759-800-37 | IC LC4066BH |
| IC401 | 8-759-820-38 | IC LA6458D |
| IC402 | 8-759-820-38 | IC LA6458D |
| IC403 | 8-759-820-38 | IC LA6458D |
| IC501 | 8-749-900-78 | (E, Saudi Arabia).....IC STK4192II |
| IC501 | 8-749-941-52 | (AEP, West Germany, UK)....IC STK4152II |
| IC701 | 8-759-800-07 | IC LC6527CK-3467 |
| IC702 | 8-759-111-68 | IC UPC1237HA |
| IC703 | 8-749-920-03 | IC GP1U52 |

| Ref.No. | Part No. | Description |
|---------|---------------|------------------------------------|
| IC801 | 8-759-604-32 | IC M5F7810 |
| IC802 | 8-759-604-50 | IC M5F7910 |
| J101 | 1-565-258-11 | JACK, PIN 4P (PHONO, TUNER) |
| J102 | 1-565-320-11 | JACK, PIN 6P (CD, VIDEO/AUX) |
| J103 | 1-565-320-11 | JACK, PIN 6P (ADAPTOR, DAT OUT) |
| J104 | 1-565-320-11 | JACK, PIN 6P (DAT IN, TAPE) |
| J201 | 1-507-658-00 | JACK (MIC) |
| J501 | 1-565-352-21 | JACK, PIN 2P (SURROUND SPEAKER) |
| J502 | 1-507-825-00 | JACK, LARGE TYPE (HEADPHONES) |
| L501 | *1-420-872-00 | COIL, AIR CORE |
| L551 | *1-420-872-00 | COIL, AIR CORE |
| L701 | 1-410-334-11 | INDUCTOR 100UH |
| Q301 | 8-729-820-23 | TRANSISTOR 2SC3330-S |
| Q302 | 8-729-806-28 | TRANSISTOR 2SC3402 |
| Q304 | 8-729-820-10 | TRANSISTOR 2SA1317-SU |
| Q305 | 8-729-806-16 | TRANSISTOR 2SA1346 |
| Q306 | 8-729-806-34 | TRANSISTOR 2SC3400 |
| Q307 | 8-729-820-23 | TRANSISTOR 2SC3330-S |
| Q308 | 8-729-820-10 | TRANSISTOR 2SA1317-SU |
| Q309 | 8-729-820-10 | TRANSISTOR 2SA1317-SU |
| Q401 | 8-729-224-63 | TRANSISTOR 2SK246BL |
| Q402 | 8-729-820-23 | TRANSISTOR 2SC3330K-S |
| Q403 | 8-729-107-91 | TRANSISTOR 2SC3622A |
| Q451 | 8-729-224-63 | TRANSISTOR 2SK246BL |
| Q452 | 8-729-820-23 | TRANSISTOR 2SC3330-S |
| Q453 | 8-729-107-91 | TRANSISTOR 2SC3622A |
| Q701 | 8-729-820-23 | TRANSISTOR 2SC3330-S |
| Q702 | 8-729-806-28 | TRANSISTOR 2SC3402 |
| Q703 | 8-729-806-16 | TRANSISTOR 2SA1346 |
| Q704 | 8-729-806-16 | TRANSISTOR 2SA1346 |
| Q705 | 8-729-820-23 | TRANSISTOR 2SC3330-S |
| Q706 | 8-729-820-23 | TRANSISTOR 2SC3330-S |
| Q707 | 8-729-820-10 | TRANSISTOR 2SA1317-SU |
| Q708 | 8-729-806-34 | TRANSISTOR 2SC3400 |
| Q709 | 8-729-801-93 | TRANSISTOR 2SD1387 |
| Q710 | 8-729-801-83 | TRANSISTOR 2SB1013 |
| Q711 | 8-729-108-06 | TRANSISTOR 2SC1841 |
| Q712 | 8-729-806-16 | TRANSISTOR 2SA1346 |
| Q761 | 8-729-108-06 | TRANSISTOR 2SC1841 |
| R101 | 1-249-417-11 | (West Germany)...CARBON 1K 5% 1/4W |
| R102 | 1-249-441-11 | CARBON 100K 5% 1/4W |
| R103 | 1-249-417-11 | CARBON 1K 5% 1/4W |
| R104 | 1-249-441-11 | CARBON 100K 5% 1/4W |
| R105 | 1-249-416-11 | CARBON 820 5% 1/4W |
| R106 | 1-247-897-11 | CARBON 560K 5% 1/4W |
| R107 | 1-249-437-11 | CARBON 47K 5% 1/4W |
| R108 | 1-249-417-11 | CARBON 1K 5% 1/4W |
| R109 | 1-249-441-11 | CARBON 100K 5% 1/4W |
| R110 | 1-249-417-11 | CARBON 1K 5% 1/4W |
| R111 | 1-247-903-00 | CARBON 1M 5% 1/4W |
| R112 | 1-247-903-00 | CARBON 1M 5% 1/4W |
| R113 | 1-249-417-11 | CARBON 1K 5% 1/4W |
| R114 | 1-247-903-00 | CARBON 1M 5% 1/4W |
| R115 | 1-247-903-00 | CARBON 1M 5% 1/4W |
| R116 | 1-249-417-11 | CARBON 1K 5% 1/4W |
| R117 | 1-247-903-00 | CARBON 1M 5% 1/4W |
| R118 | 1-249-417-11 | CARBON 1K 5% 1/4W |

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------------------|------|----|------|
| R119 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R120 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R121 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R122 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R123 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R124 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R125 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R126 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R127 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R128 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R129 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R130 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R131 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R132 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R133 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R134 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R135 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R151 | 1-249-417-11 | (West Germany)...CARBON | 1K | 5% | 1/4W |
| R152 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R153 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R154 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R155 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W |
| R156 | 1-247-897-11 | CARBON | 560K | 5% | 1/4W |
| R157 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R158 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R159 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R160 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R161 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R162 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R163 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R164 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R165 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R166 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R167 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R168 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R169 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R170 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R171 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R172 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R173 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R174 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R175 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R176 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R177 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R178 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R179 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R180 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R181 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R182 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R183 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R184 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R185 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R201 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R202 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R203 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W |
| R204 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R205 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W |

| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------|------|----|------|
| R312 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R313 | 1-247-901-11 | CARBON | 820K | 5% | 1/4W |
| R314 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R315 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R316 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R317 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R318 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R319 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R320 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R321 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R322 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R323 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R324 | 1-247-707-11 | CARBON | 390 | 5% | 1/4W |
| R325 | 1-247-707-11 | CARBON | 390 | 5% | 1/4W |
| R326 | 1-247-707-11 | CARBON | 390 | 5% | 1/4W |
| R327 | 1-247-707-11 | CARBON | 390 | 5% | 1/4W |
| R328 | 1-247-707-11 | CARBON | 390 | 5% | 1/4W |
| R329 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R330 | 1-247-700-11 | CARBON | 100 | 5% | 1/4W |
| R331 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R332 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R333 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R334 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R335 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R336 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R337 | 1-247-751-11 | CARBON | 820 | 5% | 1/2W |
| R338 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R339 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R340 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R341 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R342 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W |
| R401 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R402 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R403 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| R404 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| R405 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R407 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R408 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R409 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R410 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R411 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R412 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R413 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R414 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R415 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| R416 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R417 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W |
| R418 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R419 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W |
| R420 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R421 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R422 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R423 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R425 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R426 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R427 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R428 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R429 | 1-249-406-11 | CARBON | 120 | 5% | 1/4W |

| Ref.No. | Part No. | Description | | | |
|---------|----------------|--|------|----|--------|
| R430 | 1-249-406-11 | CARBON | 120 | 5% | 1/4W |
| R431 | 1-247-707-11 | CARBON | 390 | 5% | 1/4W |
| R432 | 1-247-710-11 | CARBON | 560 | 5% | 1/4W |
| R433 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R434 | △.1-247-692-11 | CARBON | 22 | 5% | 1/4W F |
| R435 | △.1-247-692-11 | CARBON | 22 | 5% | 1/4W F |
| R451 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R452 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R453 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| R454 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| R455 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R457 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R458 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R459 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R460 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R461 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R462 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R463 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R464 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R465 | 1-247-895-00 | CARBON | 470K | 5% | 1/4W |
| R466 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R467 | 1-249-412-11 | CARBON | 390 | 5% | 1/4W |
| R468 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R469 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W |
| R470 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R472 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R473 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R475 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R476 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R478 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R483 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R501 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R502 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R503 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R504 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R505 | 1-247-756-11 | (AEP, UK, West Germany, Saudi Arabia) CARBON | 2.2K | 5% | 1/2W |
| R505 | 1-247-758-11 | (E).....CARBON | 3.3K | 5% | 1/2W |
| R506 | 1-247-756-11 | (AEP, UK, West Germany, Saudi Arabia) CARBON | 2.2K | 5% | 1/2W |
| R506 | 1-247-758-11 | (E).....CARBON | 3.3K | 5% | 1/2W |
| R507 | △.1-212-881-11 | FUSIBLE | 100 | 5% | 1/4W F |
| R508 | △.1-212-881-11 | FUSIBLE | 100 | 5% | 1/4W F |
| R510 | 1-247-752-11 | CARBON | 1K | 5% | 1/2W |
| R511 | 1-247-752-11 | CARBON | 1K | 5% | 1/2W |
| R512 | 1-217-156-00 | RES, METAL PLATE | 0.22 | | |
| R514 | 1-247-727-11 | CARBON | 10 | 5% | 1/2W |
| R515 | 1-247-727-11 | (MAIN BOARD)...CARBON | 10 | 5% | 1/2W |
| R515 | 1-247-746-11 | (HEADPHONE JACK BOARD) ...CARBON | 390 | 5% | 1/2W |

| Ref.No. | Part No. | Description | | | |
|---------|----------------|--|------|----|------|
| R516 | 1-247-727-11 | (West Germany)...CARBON | 10 | 5% | 1/2W |
| R551 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R552 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R553 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |
| R554 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R555 | 1-247-756-11 | (AEP, UK, West Germany, Saudi Arabia) CARBON | 2.2K | 5% | 1/2W |
| R555 | 1-247-758-11 | (E).....CARBON | 3.3K | 5% | 1/2W |
| R556 | 1-247-756-11 | (AEP, UK, West Germany, Saudi Arabia) CARBON | 2.2K | 5% | 1/2W |
| R556 | 1-247-758-11 | (E).....CARBON | 3.3K | 5% | 1/2W |
| R562 | 1-217-156-00 | RES, METAL PLATE | 0.22 | | |
| R564 | 1-247-727-11 | CARBON | 10 | 5% | 1/2W |
| R565 | 1-247-727-11 | (MAIN BOARD)...CARBON | 10 | 5% | 1/2W |
| R565 | 1-247-746-11 | (HEADPHONE JACK BOARD)CARBON | 390 | 5% | 1/2W |
| R566 | 1-247-727-11 | (West Germany)...CARBON | 10 | 5% | 1/2W |
| R701 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R702 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R703 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R704 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R705 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R706 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R708 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R709 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R710 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R713 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R714 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W |
| R715 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R716 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R717 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R718 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R719 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R721 | 1-247-688-11 | CARBON | 10 | 5% | 1/4W |
| R722 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R723 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R724 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R725 | 1-249-438-11 | CARBON | 56K | 5% | 1/4W |
| R726 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R727 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R728 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R729 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R730 | 1-247-764-11 | CARBON | 10K | 5% | 1/2W |
| R731 | △.1-216-455-11 | METAL OXIDE | 560 | 5% | 2W F |
| R732 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R733 | 1-247-688-11 | CARBON | 10 | 5% | 1/4W |
| R772 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R773 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R774 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R775 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

| Ref.No. | Part No. | Description |
|---------|----------------|---|
| R801 | 1-247-747-11 | CARBON 470 5% 1/2W |
| R804 | △.1-212-934-00 | FUSIBLE 1 5% 1/2W F |
| R805 | △.1-212-934-00 | FUSIBLE 1 5% 1/2W F |
| R810 | 1-217-156-00 | (E,Saudi Arabia)..RES, METAL PLATE 0.22 |
| R811 | 1-217-156-00 | (E,Saudi Arabia)..RES, METAL PLATE 0.22 |
| R813 | 1-217-156-00 | (E,Saudi Arabia)..RES, METAL PLATE 0.22 |
| R814 | 1-217-156-00 | (E,Saudi Arabia)..RES, METAL PLATE 0.22 |
| RV201 | 1-237-883-11 | RES, VAR, CARBON 50K (MIC LEVEL) |
| RV401 | 1-237-881-11 | RES, VAR, CARBON 100K/100K (BASS) |
| RV402 | 1-237-881-11 | RES, VAR, CARBON 100K/100K (TREBLE) |
| RV403 | 1-237-882-11 | RES, VAR, CARBON 100K (BALANCE) |
| RV404 | 1-237-884-11 | RES, VAR, CARBON 100K/100K (VOLUME) |
| RY701 | 1-515-501-00 | RELAY |
| S001 | △.1-554-920-11 | SWITCH, PUSH (AC POWER)(1 KEY) |
| S301 | 1-554-303-21 | SWITCH, KEY BOARD (PHONO) |
| S302 | 1-554-303-21 | SWITCH, KEY BOARD (TUNER) |
| S303 | 1-554-303-21 | SWITCH, KEY BOARD (CD) |
| S304 | 1-554-303-21 | SWITCH, KEY BOARD (TAPE) |
| S305 | 1-554-303-21 | SWITCH, KEY BOARD (VIDEO/AUX) |
| S306 | 1-554-303-21 | SWITCH, KEY BOARD (DAT MONITOR) |
| S307 | 1-571-292-11 | SWITCH, PUSH (1 KEY) (EQUALIZER RECORDING) |
| S401 | 1-571-292-11 | SWITCH, PUSH (1 KEY)(SURROUND) |
| S402 | 1-571-292-11 | SWITCH, PUSH (1 KEY)(DOL) |
| T001 | △.1-449-362-11 | (AEP,West Germany,UK)TRANSFORMER, POWER |
| T001 | △.1-449-363-11 | (E,Saudi Arabia)...TRANSFORMER, POWER |
| TB001 | *1-535-139-00 | (E,Saudi Arabia)BASE POST 22MM (10MM PITCH) 2P |
| TB001 | *1-535-141-00 | (AEP,West Germany,UK)BASE POST 22MM (10MM PITCH) 4P |
| TB002 | *1-535-139-00 | (UK,E,Saudi Arabia) ...BASE POST 22MM (10MM PITCH) 2P |
| TB501 | 1-536-705-00 | TERMINAL BOARD (SPEAKER) |
| TB801 | *1-535-116-00 | TERMINAL |
| TB802 | *1-535-116-00 | TERMINAL |
| V5001 | △.1-570-307-11 | (E,Saudi Arabia)..SWITCH, VOLTAGE CHANGE |

ACCESSORY & PACKING MATERIAL

| | |
|---------------|--|
| 3-786-200-11 | (AEP,UK,E,Saudi Arabia)...MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH) |
| 3-786-200-41 | (AEP,West Germany)...MANUAL, INSTRUCTION (GERMAN,DUTCH,SWEDISH,ITALIAN) |
| *4-925-153-01 | CUSHION |
| *4-925-154-01 | INDIVIDUAL CARTON |

Note: The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.